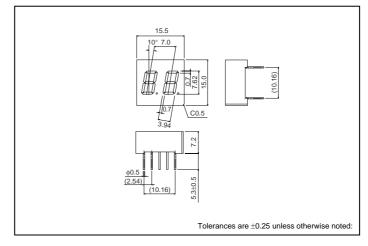
High efficiency, two-digit numeric displays LB-302FP Series

The LB-302FP series were designed to meet the need for multi-digit numeric displays. These two-digit LED numeric displays have a character height of 7.62 mm.

Features

- 1) Height of character : 7.62 mm
- 2) High efficiency in a compact package.
- 3) Common anode and common cathode configurations are available for red, orange and green.
- 4) The package surface is painted black and the segments are milky white.

• External dimensions (Units : mm)

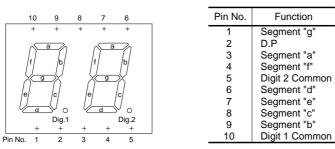


Selection guide

Emitting color Common	Red	Orange	Green	
Anode	LB-302VF	LB-302DF*	LB-302MF	
Cathode	LB-302VP	LB-302DP*	LB-302MP	

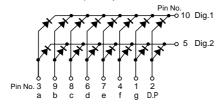
*Order-based production.

Pin assignments



LED displays

•Internal circuit schematic (example of common cathode)



● Absolute maximum ratings (Ta = 25°C)

Devementer	Ci umb ol	Red	Orange	Green	
Parameter	Symbol	LB-302VF / VP	LB-302DF / DP	LB-302MF / MP	Unit
Power dissipation	PD	800	800	960	mW
Power dissipation	P⊳/ seg	50	50	60	mW
Forward current	lF	15	15	20	mA
Peak forward current	I FP	60*	60*	60*	mA
Reverse voltage	Vr	5	5	5	V
Operating temperature	Topr		°C		
Storage temperature	Tstg		°C		

* Pulse width 1ms duty 1 / 5

Parameter	Symbol	Conditions	Red		Orange		Green			1.1		
			Min.	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	Unit
Forward voltage	VF	I⊧ = 10mA	-	2.0	2.8	-	2.0	2.8	-	2.1	2.8	V
Reverse current	Ir	$V_R = 5V$	-	-	100	-	-	100	-	_	100	μA
Peak wavelength	λρ	l⊧ = 10mA	-	650	-	-	610	-	-	563	-	nm
Spectral line half width	Δλ	I⊧ = 10mA	_	40	_	-	40	-	-	40	-	nm

• Electrical and optical characteristics (Ta = 25°C)

O Not designed for radiation resistance.

• Luminous intensity

Color	λP	Туре	Min. Typ.		Max.	Unit
Red	650	LB-302VF / VP	2.2	6.3	-	mcd
Orange	610	LB-302DF / DP	2.2	6.3	-	mcd
Green	563	LB-302MF / MP	2.2	6.3	-	mcd

Note : Measured at IF = 10mA



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